

Title (en)

DOMESTIC APPLIANCE INCLUDING DOOR MOUNTED THROUGH ARTICULATED HINGE MECHANISM

Title (de)

HAUSHALTSGERÄT MIT TÜR, DIE ÜBER EINEN GELENKSCHARNIERMECHANISMUS MONTIERT IST

Title (fr)

APPAREIL MÉNAGER COMPRENANT UNE PORTE MONTÉE AU MOYEN D'UN MÉCANISME DE CHARNIÈRE ARTICULÉE

Publication

EP 3199732 A1 20170802 (EN)

Application

EP 17152914 A 20170124

Priority

US 201615007297 A 20160127

Abstract (en)

A domestic appliance, such as a double oven range, incorporates a door having a bottom end portion which, when shifted between closed and opened positions, both pivots and vertically shifts relative to a frame body of the appliance through at least a connecting rod, push rod and pivot arm of a hinge mechanism. Due to a combined pivoting and lifting action of the door, minimal to no clearance is required between the bottom end portion and adjacent structure.

IPC 8 full level

E05D 3/16 (2006.01); **E05D 3/18** (2006.01); **E05F 1/12** (2006.01); **E05F 5/06** (2006.01); **E05F 5/08** (2006.01)

CPC (source: EP US)

A47L 15/4261 (2013.01 - US); **E05D 3/14** (2013.01 - US); **E05D 3/16** (2013.01 - EP US); **E05D 3/18** (2013.01 - EP US); **E05F 1/1261** (2013.01 - EP US); **E05F 5/06** (2013.01 - EP US); **E05F 5/08** (2013.01 - EP US); **F24C 15/023** (2013.01 - EP US); **F24C 15/18** (2013.01 - US); **E05D 2003/163** (2013.01 - EP US); **E05Y 2900/30** (2013.01 - EP US); **E05Y 2900/308** (2013.01 - EP US)

Citation (search report)

- [X] WO 2007072206 A2 20070628 - CMI SRL [IT], et al
- [X] US 2007209654 A1 20070913 - WANG CHING-HSIANG [TW]

Cited by

KR102390986B1; CN113474529A; EP3910139A4; US11746580B2; WO2022260220A1; KR20230062906A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3199732 A1 20170802; US 10174953 B2 20190108; US 10731865 B2 20200804; US 2017211817 A1 20170727; US 2017299196 A1 20171019; US 2018119963 A1 20180503; US 2019137110 A1 20190509; US 9759430 B2 20170912; US 9874354 B2 20180123

DOCDB simple family (application)

EP 17152914 A 20170124; US 201615007297 A 20160127; US 201715642449 A 20170706; US 201715856559 A 20171228; US 201916241093 A 20190107